

\$%^STN;highlighton= \*\*\*;highlightoff=\*\*\* ;

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1 Web Page URLs for STN Seminar schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 NOV 24 MSDS-CCOHS file reloaded  
NEWS 4 DEC 08 CABA reloaded with left truncation  
NEWS 5 DEC 08 IMS file names changed  
NEWS 6 DEC 17 DGENE: Two new display fields added  
NEWS 7 DEC 18 BIOTECHNO no longer updated  
NEWS 8 DEC 19 CROPU no longer updated; subscriber discount no longer available  
NEWS 9 DEC 22 ABI-INFORM now available on STN  
NEWS 10 JAN 27 Source of Registration (SR) information in REGISTRY updated and searchable  
NEWS 11 JAN 27 A new search aid, the Company Name Thesaurus, available in CA/CAPlus  
NEWS 12 FEB 05 German (DE) application and patent publication number format changes  
NEWS 13 MAR 03 MEDLINE and LMEADLINE reloaded  
NEWS 14 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 15 MAR 03 FRANCEPAT now available on STN  
NEWS 16 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 17 MAR 29 WPIFV now available on STN  
NEWS 18 MAR 29 No connect hour charges in WPIFV until May 1, 2004  
NEWS 19 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004  
NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS INTER General Internet Information  
NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 20:07:41 ON 09 APR 2004

=> fil registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.42

0.42

FILE 'REGISTRY' ENTERED AT 20:09:00 ON 09 APR 2004

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STRUCTURE FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1  
DICTIONARY FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s apicidin  
L1 10 APICIDIN

=> d  
L1 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 439859-08-2 REGISTRY  
CN Cyclo[(2S)-2-amino-8-[(aminocarbonyl)hydrazono]decanoyl-1-methoxy-L-tryptophyl-L-isoleucyl-(2R)-2-piperidinecarbonyl] (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN \*\*\*Apicidin Ia semicarbazone\*\*\*  
FS PROTEIN SEQUENCE; STEREOSEARCH  
MF C35 H52 N8 O6  
SR CA  
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.  
Double bond geometry unknown.

/ structure 1 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil .eliz

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	7.04	7.46

FILE 'MEDLINE' ENTERED AT 20:10:23 ON 09 APR 2004

FILE 'SCISEARCH' ENTERED AT 20:10:23 ON 09 APR 2004  
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FILE 'LIFESCI' ENTERED AT 20:10:23 ON 09 APR 2004  
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FILE 'WPIDS' ENTERED AT 20:10:23 ON 09 APR 2004  
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=> s histone (2a)deacetylase  
L2 18702 HISTONE (2A) DEACETYLASE

=> s histone (2w)deacetylase  
L3 18687 HISTONE (2W) DEACETYLASE

=> s l3 (10a) class  
L4 1035 L3 (10A) CLASS

=> s l3 (10a) human  
10 FILES SEARCHED...  
L5 1549 L3 (10A) HUMAN

=> s l5 (5a)(gene or sequence)  
6 FILES SEARCHED...  
L6 322 L5 (5A)(GENE OR SEQUENCE)

=> s l6 (10a) class  
L7 18 L6 (10A) CLASS

=> dup rem l7  
PROCESSING COMPLETED FOR L7  
L8 9 DUP REM L7 (9 DUPLICATES REMOVED)

=> d 1-9

L8 ANSWER 1 OF 9 MEDLINE on STN DUPLICATE 1  
AN 2004042684 MEDLINE  
DN PubMed ID: 12920038  
TI Induction of human gamma globin gene expression by histone deacetylase inhibitors.  
AU Cao Hua; Stamatiyannopoulos George; Jung Manfred  
CS Medical Genetics, Box 357720, University of Washington, Seattle, WA 98195, USA.  
NC DK45365 (NIDDK)  
HL20899 (NHLBI)  
SO Blood, (2004 Jan 15) 103 (2) 701-9.  
Journal code: 7603509. ISSN: 0006-4971.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Abridged Index Medicus Journals; Priority Journals  
EM 200402  
ED Entered STN: 20040128  
Last Updated on STN: 20040302  
Entered Medline: 20040226

L8 ANSWER 2 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:532253 HCAPLUS  
DN 139:97264  
TI Class II human histone deacetylases (HDACs) and cDNAs, HDAC inhibitors and assays, and methods for altering mammalian cell behavior  
IN Grozinger, Christina M.; Hassig, Christian A.; Schreiber, Stuart L.  
PA USA  
SO U.S. Pat. Appl. Publ., 82 pp.  
CODEN: USXXCO

DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI US 2003129724 A1 20030710 US 2001-800187 20010305  
PRAI US 2000-186802P P 20000303  
OS MARPAT 139:97264

L8 ANSWER 3 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:313954 HCAPLUS  
DN 139:145582  
TI Class II histone deacetylases: versatile regulators  
AU Verdin, Eric; Dequiedt, Franck; Kasler, Herbert G.  
CS Gladstone Institute of Virology and Immunology, University of California  
San Francisco, San Francisco, CA, 94141, USA  
SO Trends in Genetics (2003), 19(5), 286-293  
CODEN: TRGEE2; ISSN: 0168-9525  
PB Elsevier Science Ltd.  
DT Journal; General Review  
LA English  
RE.CNT 90 THERE ARE 90 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:198939 HCAPLUS  
DN 136:351984  
TI Isolation and characterization of a novel class II histone deacetylase,  
HDAC10  
AU Fischer, Denise D.; Cai, Richard; Bhatia, Umesh; Asselbergs, Fred A. M.;  
Song, Chuanzheng; Terry, Robert; Trogani, Nancy; Widmer, Roland; Atadja,  
Peter; Cohen, Dalia  
CS Department of Functional Genomics, Novartis Pharmaceuticals, Summit, NJ,  
07901, USA  
SO Journal of Biological Chemistry (2002), 277(8), 6656-6666  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
RE.CNT 63 THERE ARE 63 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 5 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:207136 HCAPLUS  
DN 136:365711  
TI Identification of HDAC10, a novel class II human histone deacetylase  
containing a leucine-rich domain  
AU Tong, Jenny J.; Liu, Jianhong; Bertos, Nicholas R.; Yang, Xiang-Jiao  
CS Molecular Oncology Group, Department of Medicine, McGill University Health  
Center, Montreal, QC, H3A 1A1, Can.  
SO Nucleic Acids Research (2002), 30(5), 1114-1123  
CODEN: NARHAD; ISSN: 0305-1048  
PB Oxford University Press  
DT Journal  
LA English  
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:352501 HCAPLUS  
DN 133:146868  
TI Cloning and characterization of a novel human class I histone deacetylase  
that functions as a transcription repressor  
AU Hu, Erding; Chen, Zunxuan; Fredrickson, Todd; Zhu, Yuan; Kirkpatrick,  
Robert; Zhang, Gui-Feng; Johanson, Kyung; Sung, Chiu-Mei; Liu, Ronggang;  
Winkler, James  
CS Department of Renal Pharmacology, SmithKline Beecham Pharmaceuticals, King  
of Prussia, PA, 19403, USA  
SO Journal of Biological Chemistry (2000), 275(20), 15254-15264  
CODEN: JBCHA3; ISSN: 0021-9258  
PB American Society for Biochemistry and Molecular Biology  
DT Journal  
LA English  
RE.CNT 78 THERE ARE 78 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 7 OF 9 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 2  
AN 2000:491924 SCISEARCH  
GA The Genuine Article (R) Number: 327UH  
TI The histone deacetylase-3 complex contains nuclear receptor corepressors  
AU Wen Y D; Perissi V; Staszewski L M; Yang W M; Kronen A; Glass C K;

CS Rosenfeld M G; Seto E (Reprint)  
UNIV S FLORIDA, H LEE MOFFIT CANC CTR & RES INST, TAMPA, FL 33612  
(Reprint); UNIV S FLORIDA, H LEE MOFFIT CANC CTR & RES INST, TAMPA, FL  
33612; UNIV S FLORIDA, DEPT CHEM, TAMPA, FL 33612; UNIV CALIF SAN DIEGO,  
HOWARD HUGHES MED INST, DEPT & SCH MED, LA JOLLA, CA 92093  
CYA USA  
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF  
AMERICA, (20 JUN 2000) Vol. 97, No. 13, pp. 7202-7207.  
Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC  
20418.  
ISSN: 0027-8424.  
DT Article; Journal  
FS LIFE  
LA English  
REC Reference Count: 30  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L8 ANSWER 8 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1999:306515 HCAPLUS  
DN 131:112990  
TI Three proteins define a class of human histone deacetylases related to  
yeast Hda1p  
AU Grozinger, Christina M.; Hassig, Christian A.; Schreiber, Stuart L.  
CS Departments of Chemistry and Chemical Biology and Molecular and Cellular  
Biology, Harvard University, Cambridge, MA, 02138, USA  
SO Proceedings of the National Academy of Sciences of the United States of  
America (1999), 96(9), 4868-4873  
CODEN: PNASA6; ISSN: 0027-8424  
PB National Academy of Sciences  
DT Journal  
LA English  
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 9 OF 9 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:650463 HCAPLUS  
DN 127:315587  
TI Human histone deacetylase genes and their protein interactions and uses  
for the inhibition of cellular proliferation and drug screening  
IN Schreiber, Stuart L.; Taunton, Jack; Hassig, Christian A.; Jamison,  
Timothy F.  
PA President and Fellows of Harvard College, USA; Schreiber, Stuart L.;  
Taunton, Jack; Hassig, Christian A.; Jamison, Timothy F.  
SO PCT Int. Appl., 159 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9735990	A2	19971002	WO 1997-US5275	19970326
	WO 9735990	A3	19980326		
	W:	AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG			
	AU 9729905	A1	19971017	AU 1997-29905	19970326
PRAI	US 1996-624735	A	19960326		
	WO 1997-US5275	W	19970326		
OS	MARPAT 127:315587				

=> d ab

L8 ANSWER 1 OF 9 MEDLINE on STN DUPLICATE 1  
AB We investigated the induction of \*\*\*human\*\*\* gamma globin \*\*\*gene\*\*\*  
activity by 3 \*\*\*classes\*\*\* of \*\*\*histone\*\*\* \*\*\*deacetylase\*\*\*  
inhibitors: amide analogues of trichostatin A, hydroxamic acid analogues  
of trapoxin, and scriptaid and its analogues. The screening consisted of  
measuring the effects of these compounds on gamma and beta human gene  
promoter activity by using cultures of GM979 cells stably transfected with  
a construct containing a gamma promoter linked to firefly luciferase and a

beta promoter linked to renilla luciferase. Compounds belonging to all 3 classes induced gamma gene promoter activity in the screening assay in low micromolar concentrations. Histone deacetylase (HDAC) inhibitors increased acetylation of histone H4 and induced the expression of endogenous murine embryonic genes. They also increased the levels of gamma mRNA and the frequency of fetal hemoglobin-containing erythroblasts in erythroid burst-forming unit (BFUE) cultures from healthy adult individuals. Compounds that displayed very similar degrees of inhibition of the HDAC activity in an HDAC enzymatic assay differed strikingly on their effects on gamma gene promoter activity, raising the possibility of selectivity of HDACs that interact with the gamma globin gene chromatin.

=> fil registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

28.94

36.40

FILE 'REGISTRY' ENTERED AT 20:15:47 ON 09 APR 2004

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STRUCTURE FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

DICTIONARY FILE UPDATES: 8 APR 2004 HIGHEST RN 673432-40-1

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> s trichostatin

L9 10 TRICHOSTATIN

=> d

L9 ANSWER 1 OF 10 REGISTRY COPYRIGHT 2004 ACS on STN

RN 403507-74-4 REGISTRY

CN 2,4-Heptadienamide, 7-[4-(dimethylamino)phenyl]-N,4,6-trimethyl-7-oxo-, (2E,4E)- (9CI) (CA INDEX NAME)

OTHER NAMES:

CN \*\*\*Trichostatin RK\*\*\*

FS STEREOSEARCH

MF C18 H24 N2 O2

SR CA

LC STN Files: BIOSIS, CA, CAPLUS

Double bond geometry as shown.  
Currently available stereo shown.

/ Structure 2 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=>

=> s trapoxin

L10 3 TRAPOXIN

=> d

L10 ANSWER 1 OF 3 REGISTRY COPYRIGHT 2004 ACS on STN  
RM 183609-51-0 REGISTRY  
CN Cyclo[(.alpha.S,2S)-.alpha.-amino-.eta.-oxooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl] (9CI) (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Cyclo(.eta.-oxo-L-.alpha.-aminooxirane-3-t-octanoyl-L-phenylalanyl-L-phenylalanyl-D-prolyl), (S)-  
OTHER NAMES:  
CN \*\*\*[2H]-Trapoxin B\*\*\*  
FS PROTEIN SEQUENCE; STEREOSEARCH  
DR 197631-19-9  
MF C33 H39 N4 O6 T  
SR CA  
LC STN Files: CA, CAPLUS

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

/ Structure 3 in file .gra /

2 REFERENCES IN FILE CA (1907 TO DATE)  
2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s scriptaid  
L11 1 SCRIPTAID

=> d

L11 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2004 ACS on STN  
RN 287383-59-9 REGISTRY  
CN 1H-Benz[de]isoquinoline-2(3H)-hexanamide, N-hydroxy-1,3-dioxo- (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN \*\*\*Scriptaid\*\*\*  
CN Scriptide  
FS 3D CONCORD  
MF C18 H18 N2 O4  
SR CA  
LC STN Files: BIOSIS, CA, CAPLUS, CHEMCATS, TOXCENTER, USPAT2, USPATFULL

/ Structure 4 in file .gra /

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

12 REFERENCES IN FILE CA (1907 TO DATE)  
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> dis his

(FILE 'HOME' ENTERED AT 20:07:41 ON 09 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:09:00 ON 09 APR 2004

L1 10 S APICIDIN

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 20:10:23 ON 09 APR 2004

L2 18702 S HISTONE (2A)DEACETYLASE  
L3 18687 S HISTONE (2W)DEACETYLASE  
L4 1035 S L3 (10A) CLASS  
L5 1549 S L3 (10A) HUMAN  
L6 322 S L5 (5A)(GENE OR SEQUENCE)  
L7 18 S L6 (10A) CLASS  
L8 9 DUP REM L7 (9 DUPLICATES REMOVED)

FILE 'REGISTRY' ENTERED AT 20:15:47 ON 09 APR 2004

L9 10 S TRICHOSTATIN  
L10 3 S TRAPOXIN  
L11 1 S SCRIPTAID

=> log h  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
19.86	56.26

FULL ESTIMATED COST

SESSION WILL BE HELD FOR 60 MINUTES  
STN INTERNATIONAL SESSION SUSPENDED AT 20:17:25 ON 09 APR 2004